



Project No: AFC001-023BCA/BCB

Project: Vandenberg AFB Supplemental RI

Client: AFCEE

Location: Site 2

Borehole ID: HGL-2MW-10

Date: 12/2/99

Geologist: Tom Clifton

SUBSURFACE PROFILE					SAMPLE			Remarks
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	
1		Blind Probe		SC				Elevations are from top of casing (ft. above msl)
2		Augered down to 4.5' : cuttings dark brown sand with clay, becoming sandier with depth, local subrounded chert clasts						
3								
4			473.7777					
5		Gravel		GM				Soil sample collected at 15.0 - 15.5' for analysis
6		Brown to dark brown gravel with sand, loose, poorly sorted, subangular clasts, fine to very coarse sand	472.2777		70%	dry	0.0	
7		Blind Probe		CL				
8		Augered down to 9.5'						
9			468.7777					
10		Clay		CL	75%	damp	55.4	
11		Grayish brown dense clay with angular fractures	467.2777					
12		Blind Probe		CL				
13		Augered down to 14.5'						
14			463.7777					
15		Clay		CL	80%	dry	295.0	
16		Grayish brown clay with silt, dense, stiff with iron oxide staining along local vertical fractures	462.2777					
17		Blind Probe		CL				Soil sample collected at 25.0 - 25.5' for analysis
18		Augered down to 19.5'						
19			458.7777					
20		Clay		CL	100%	dry	10.4	
21		Grayish brown clay with iron oxide staining at local vertical fractures, no laminae	457.2777					
22		Blind Probe		CL				
23		Augered down to 24.5'						
24			453.7777					
25		Clay		CL	100%	damp	4.7	
26		Grayish brown clay with iron oxide staining in vertical fractures, medium plasticity	452.2777					
27		Blind Probe						
28		Augered down to 29.5'						
29			448.7777					

Drilled By: West Hazmat

Drill Method: HSA 8"

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
4600 Northgate Blvd., Ste. 207
Sacramento, CA 95834
(916) 614-8770 FAX (916) 614-8775

Hole Size: 8"

Total Depth Drilled: 57'

Sheet: 1 of 2



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30		Clay						
31		Grayish brown clay, as above, grades downward into light gray to white laminated mudstone with local iron oxide staining along fractures	447.2777	CL	75%	moist	74.0	
32								
33		Blind Probe						
34		Augered down to 34.5'	443.7777					
35		Mudstone						
36		Light gray laminated mudstone with local iron oxide staining along bedding planes	442.2777	CL	90%	dry	0.0	
37								
38		Blind Probe						
39		Augered down to 39.5'	438.7777					
40		Mudstone						
41		White to light brown laminated mudstone, grading to brown with depth, medium stiff	437.2777	CL	100%	dry-damp	0.0	
42								
43		Blind Probe						
44		Augered down to 44.5'	433.7777					
45		Mudstone						
46		White to light brown laminated mudstone with local dark staining on bedding planes, stiff	432.2777	CL	65%	damp	0.0	
47								
48		Blind Probe						
49		Augered down to 49.5	428.7777					
50		Mudstone						
51		White to brownish yellow laminated mudstone with local intervals of fractured porcelanite and local dark gray staining on vertical fractures, plastic	427.2777	CL	100%	wet	0.0	Water at 50.0' bgs
52								
53								
54		Blind Probe						
55		Augered down to 57.0'						
56								
57			421.2777					End of boring 57.0' bgs
58								

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